

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	147	703/6.ccls. and @pd>="20071101"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2008/07/14 17:50
L4	272	response adj surface and optimiz\$5 and @ad<"19991001"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2008/07/14 18:19
L5	82	L4 and simulat\$5	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2008/07/14 18:33

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	671	simulat\$4 same cach\$3 and @ad<"19991001"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2008/07/15 10:02
L2	271	L1 and optimiz\$6	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2008/07/15 10:02
L3	400	L1 not L2	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2008/07/15 10:27
L4	18	simulat\$4 with (sav\$3 near result\$1) and @ad<"19991001"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2008/07/15 10:49



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"response surface" simulate optimize

1950

- 1999

Ad  
Sc  
Sc

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**[book] Response Surface Methodology: Process and Product in Optimization Using Designed Experiments** - all 2 versions »

RH Myers, DC Montgomery - 1995 - John Wiley & Sons, Inc. New York, NY, USA

... Gerrit J. van Oortmarssen , Nanda Piersma , Rommert Dekker, A framework for **Response Surface Methodology for simulation optimization**, Proceedings of the 32nd ...

Cited by 1469 - [Related Articles](#) - [Web Search](#)

**[book] Empirical model-building and response surface** - all 5 versions »

GEP Box, NR Draper

... Gerrit J. van Oortmarssen , Nanda Piersma , Rommert Dekker, A framework for **Response Surface Methodology for simulation optimization**, Proceedings of the 32nd ...

Cited by 1787 - [Related Articles](#) - [Web Search](#)

**The integration of simulation and response surface methodology for the optimization of IC processes** - all 4 versions »

GJ Gaston, AJ Walton - Semiconductor Manufacturing, IEEE Transactions on, 1994 - [ieeexplore.ieee.org](#)

... 1, FEBRUARY 1994 0894—6507194\$04.00 © 1994 IEEE The Integration of **Simulation and Response Surface Methodology for the Optimization of IC Processes** Godfrey J ...

Cited by 41 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

**A revised simplex search procedure for stochastic simulation response-surface optimization** - all 12 versions »

DG Humphrey, JR Wilson - Proceedings of the 30th conference on Winter simulation, 1998 - [portal.acm.org](#)

... Manivannan, eds. A REVISED SIMPLEX SEARCH PROCEDURE FOR STOCHASTIC **SIMULATION RESPONSE-SURFACE OPTIMIZATION** David G. Humphrey Nortel ...

Cited by 39 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

**Multiple response surface methods in computer simulation**

DC Montgomery, VM Bettencourt - SIMULATION, 1977 - [sim.sagepub.com](#)

... over some region of interest, **optimize** the dependent ... **Response surface** methodology is useful in the analysis of computer **simulation** in which system **optimization** ...

Cited by 35 - [Related Articles](#) - [Web Search](#)

**Simulation optimization: methods and applications** - all 5 versions »

Y Carson, A Maria - Proceedings of the 1997 Winter Simulation Conference, 1997 - [doi.ieeecomputersociety.org](#)

... This in turn guides further input to the **simulation** model. Stochastic **Response Surface** Heuristic A-Teams Statistical **Optimization** Methodology Methods Methods WW ...

Cited by 102 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

**Designing simulation experiments: Taguchi methods and response surface metamodels** - all 2 versions »

JS Ramberg, SM Sanchez, PJ Sanchez, LJ Hollick - Proceedings of the 23rd conference on Winter simulation, 1991 - [portal.acm.org](#)

... the **simulation response surface**. However, the loss function and the associated robust design philosophy provide fresh in- sights into the process of **optimizing** ...

Cited by 36 - [Related Articles](#) - [Web Search](#)



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"response surface" simulate optimize "power plant" 1950 - 1999

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Designing simulation experiments: Taguchi methods and **response surface** metamodels - all 2 versions »

JS Ramberg, SM Sanchez, PJ Sanchez, LJ Hollick - Proceedings of the 23rd conference on Winter simulation, 1991 - portal.acm.org

... ments, such as **response surface** met amodels and vari ... lead to mathematical models of the **simulation** model (met ... **optimize** or improve the model's performance, and ...

Cited by 36 - [Related Articles](#) - [Web Search](#)

Optimization methods for electric utility resource planning - all 4 versions »

BF Hobbs - European Journal of Operational Research, 1995 - Elsevier

... To cope with this complexity, the industry has developed and applied a wide range of **simulation** and **optimization** tools (Eto, 1990; Stoll et al., 1989; Talukdar ...

Cited by 41 - [Related Articles](#) - [Web Search](#)

The role of Latin Hypercube Sampling method in reliability engineering - all 2 versions »

D Novak, B Teply, Z Keiiner - Structural Safety and Reliability: Proceedings of ICOSSAR'97 ..., 1998 - books.google.com

... Efficient use of **response surface** methods ... A comparison of accurate advanced **simulation** methods and ... Reliability-based **optimization** by simulated annealing approach ...

Cited by 19 - [Related Articles](#) - [Web Search](#)

Optimal sensor configuration for complex systems - all 4 versions »

P Sadegh, JC Spall - American Control Conference, 1998. Proceedings of the 1998, 1998 - ieeexplore.ieee.org

... experimental design methods (including **response surface**), it provides an ... In this spirit, the **optimization** procedure will ... For the **simulation** purpose, we use the ...

Cited by 18 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Iterative RBF neural networks as metamodels of stochastic simulations

G Meghabghab, G Nasr - Intelligent Processing and Manufacturing of Materials, 1999. ..., 1999 - ieeexplore.ieee.org

... heart of the nuclear **power plant**, as well ... were the means to achieve computer **simulation optimization**. ... parametric techniques in **response surface** methodologies. ...

Cited by 5 - [Related Articles](#) - [Web Search](#)

Experiences with teaching adaptive optimization to engineering graduate students - all 5 versions »

AE Smith - Evolutionary Computation, 1999. CEC 99. Proceedings of the ..., 1999 - ieeexplore.ieee.org

... a continuous, though not necessarily smooth, **response surface** over all values ... time needed to make the **simulation** runs, so the **optimization** strategy adopted ...

Cited by 2 - [Related Articles](#) - [Web Search](#)

USING ROBUST CONCEPT EXPLORATION AND SYSTEMS DYNAMICS MODELS IN THE DESIGN OF COMPLEX INDUSTRIAL ...

R Bailey, B Bras, JK Allen - Engineering Optimization, 1999 - informaworld.com

... **Optimization** formulations are used to increase knowledge ... are strong (determined in the **response surface** formulation), the ... the focus of the **simulation** model and ...

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"response surface" simulate optimize "power plant" 1950 - 1999

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[Designing simulation experiments: Taguchi methods and \*\*response surface\*\* metamodels](#) - all 2 versions »

JS Ramberg, SM Sanchez, PJ Sanchez, LJ Hollick - Proceedings of the 23rd conference on Winter simulation, 1991 - portal.acm.org

... ments, such as **response surface** met amodels and vari ... lead to mathematical models of the **simulation** model (met ... **optimize** or improve the model's performance, and ...

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[Optimization methods for electric utility resource planning](#) - all 4 versions »

BF Hobbs - European Journal of Operational Research, 1995 - Elsevier

... To cope with this complexity, the industry has developed and applied a wide range of **simulation** and **optimization** tools (Eto, 1990; Stoll et al., 1989; Talukdar ...

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[The role of Latin Hypercube Sampling method in reliability engineering](#) - all 2 versions »

D Novak, B Teply, Z Keiiner - Structural Safety and Reliability: Proceedings of ICOSSAR'97 ..., 1998 - books.google.com

... Efficient use of **response surface** methods ... A comparison of accurate advanced **simulation** methods and ... Reliability-based **optimization** by simulated annealing approach ...

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[Optimal sensor configuration for complex systems](#) - all 4 versions »

P Sadegh, JC Spall - American Control Conference, 1998. Proceedings of the 1998, 1998 - ieeexplore.ieee.org

... experimental design methods (including **response surface**), it provides an ... In this spirit, the **optimization** procedure will ... For the **simulation** purpose, we use the ...

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[Iterative RBF neural networks as metamodels of stochastic simulations](#)

G Meghabghab, G Nasr - Intelligent Processing and Manufacturing of Materials, 1999. ..., 1999 - ieeexplore.ieee.org

... heart of the nuclear **power plant**, as well ... were the means to achieve computer **simulation** **optimization**. ... parametric techniques in **response surface** methodologies. ...

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R Bailey, B Bras, JK Allen - Engineering Optimization, 1999 - informaworld.com

... **Optimization** formulations are used to increase knowledge ... are strong (determined in the **response surface** formulation), the ... the focus of the **simulation** model and ...

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optimize simulate cache results

1990

- 1999

Search

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### [Power optimization of variable-voltage core-based systems - all 25 versions »](#)

IK Hong, DGQ Potkonjak, M Srivastava, S Inc, M ... - Computer-Aided Design of Integrated Circuits and Systems, ..., 1999 - [ieeexplore.ieee.org](#)

... of the **cache**, mainly by **optimizing** memory and ... To **simulate cache** performance of a given application and data ... The system **optimization** process is composed of a ...

Cited by 246 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

### [Optimization of mesh locality for transparent vertex caching - all 12 versions »](#)

H Hoppe - Proceedings of the 26th annual conference on Computer ..., 1999 - [portal.acm.org](#)

... growing algorithm, and (d) the local **optimization** algorithm. The result of **simulating** a 16-entry FIFO ... the algorithm performs a lookahead **simulation** to decide ...

Cited by 115 - [Related Articles](#) - [Web Search](#)

### [The Filter Cache: An Energy Efficient Memory Structure - all 15 versions »](#)

J Kin, M Gupta, WH Mangione-Smith - Proceedings of the 30th annual ACM/IEEE international ..., 1997 - [doi.ieeeecs.org](#)

... exploration of the design space without exhaustive **simulation**. ... reduced power in order to **optimize** Energy•Delay ... for Power and Performance **Optimization**: A Case ...

Cited by 323 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

### [Cache design trade-offs for power and performance optimization: a case study](#)

CL Su, AM Despain - Proceedings of the 1995 international symposium on Low power ..., 1995 - [portal.acm.org](#)

... Design Trade-offs for Power and Performance **Optimization**: ... front-end [12]and an **optimizing** compiler backend ... **Simulation results** show that 33% and 12% of the bit ...

Cited by 235 - [Related Articles](#) - [Web Search](#)

### [MediaBench: a tool for evaluating and synthesizing multimedia and communications systems - all 12 versions »](#)

C Lee, M Potkonjak, WH Mangione-Smith - Microarchitecture, 1997. Proceedings. Thirtieth Annual IEEE/ ..., 1997 - [ieeexplore.ieee.org](#)

... time and education before hand **optimization** becomes as ... Impact provides cycle-level **simulation** of the processor ... The synthesis experiment will **optimize** the **cache** ...

Cited by 1294 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

### [Synthesis Techniques for Low-Power Hard Real-Time Systems on Variable Voltage Processors - all 12 versions »](#)

I Hong, G Qu, M Potkonjak, MB Srivastava - Proceedings of the IEEE Real-Time Systems Symposium, 1998 - [doi.ieeeecomputersociety.org](#)

... sys- tems by treating voltage as an **optimization** degree of free- dom for ... Higher **cache** as- sociativity **results** in significantly higher access time. ...

Cited by 139 - [Related Articles](#) - [Web Search](#)

### [Per-user profile replication in mobile environments: Algorithms, analysis, and simulation](#)

**results** - all 10 versions »

N Shivakumar, J Jannink, J Widom - Mobile Networks and Applications, 1997 - Springer

... We also **simulate** our algorithm against other location ... This **optimization** is useful when a callee receives many ... [2] use dynamic programming to **optimize** mapping a ...


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Sc  
Sc

**Scholar** [All articles](#) - [Recent articles](#) Results 1 - 10 of about 63 for **simulate "cache results"**. (0.35

### [Simultaneous multithreading: maximizing on-chip parallelism](#) - all 73 versions »

DM Tullsen, SJ Eggers, HM Levy - International Conference on Computer Architecture, 1998 - portal.acm.org

 ... we use for comparison, the workload, and the wide-issue compiler optimization and scheduling technology; (2) the variety of SM models we **simulate**; (3) our anal ...

 Cited by 1099 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

### [Cache performance of the SPEC 92 benchmark suite](#) - all 9 versions »

JD Gee, MD Hill, DN Pnevmatikatos, AJ Smith - IEEE Micro, 1993 - doi.ieeeecs.org

 ... point, and complete SPEC92 suite across the entire range of **simulation** parameters ... and data caches, but are plotted against SPEC unified **cache results** in Figure 3 ...

 Cited by 155 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

### [A comparison of trace-sampling techniques for multi-megabyte caches](#) - all 11 versions »

RE Kessler, MD Hill, DA Wood - Computers, IEEE Transactions on, 1994 - ieeeexplore.ieee.org

 ... Since multi-megabyte caches are likely to be used in a cache hierarchy, we **simulate** them as alternative secondary caches placed behind a fixed primary cache. ...

 Cited by 100 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

### [Trace driven simulation using sampled traces](#)

JWC Fu, JH Patel - System Sciences, 1994. Vol. I: Architecture, Proceedings of ..., 1994 - ieeeexplore.ieee.org

 ... wide range of **cache results**. The cumulative miss ratios for ... The next section describes how a sampled trace can obtain accurate cache **simulation** results. ...

 Cited by 30 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

### [Improving data cache performance by pre-executing instructions under a cache miss](#) - all 9 versions »

J Dundas, T Mudge - Proceedings of the 11th international conference on ..., 1997 - portal.acm.org

 ... In summary, we **simulate** a model of the interface to the off ... The small **cache results** in increased opportunities for prefetching, particularly for aggressive ...

 Cited by 104 - [Related Articles](#) - [Web Search](#)

### [Performance of Web proxy caching in heterogeneous bandwidth environments](#) - all 3 versions »

A Feldmann, R Caceres, F Douglass, G Glass, M ... - INFOCOM'99. Eighteenth Annual Joint Conference of the IEEE ..., 1999 - ieeeexplore.ieee.org

 ... the original trace exceeds the mean latency of the no-proxy **simulation**. ... default, proxy software (eg, Squid [22]) generally does not **cache results** of requests ...

 Cited by 197 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

### [Storage alternatives for mobile computers](#) - all 32 versions »

F Douglass, R Caceres, F Kaashoek, K Li, B Marsh, ... - Proceedings of the 1st Symposium on Operating Systems Design ..., 1994 - Springer

 ... Our study is based on both hardware measurements and trace-driven **simulation**.

 The measurements are "micro- ... 4 TRACE-DRIVEN **SIMULATION** ...

 Cited by 166 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

### [Missing the memory wall: the case for processor/memory integration](#) - all 16 versions »



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"objective function" coefficient sensitivity analy 1980 - 1999

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**Scholar** [All articles](#) - [Recent articles](#) Results 11 - 20 of about 8,300 for "objective function" coeffic

[CITATION] The Optimization of Machining Operations Based on a Combined Criterion. I. The Use of Combined ...

JS Agapiou - Journal of Engineering for Industry(Transactions of the ASME ..., 1992

... A **sensitivity analysis** for the weight **coefficients** and the constant multiplier of the **objective function** are discussed via numerical examples. 53 Machining(MD).

Cited by 38 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Sensitivity analysis of complex kinetic systems. Tools and applications - all 2 versions »](#)

T Turányi - Journal of Mathematical Chemistry, 1990 - Springer

... **coefficients** which can provide information about the importance and interconnection of parameters and variables. Applications of **sensitivity analysis** to ...

Cited by 80 - [Related Articles](#) - [Web Search](#)

[CITATION] DEGENERACY AND THE (MIS) INTERPRETATION OF **SENSITIVITY ANALYSIS** IN LINEAR PROGRAMMING

JR Evans, NR Baker - Decision Sciences, 1982 - Blackwell Synergy

Cited by 16 - [Related Articles](#) - [Web Search](#)

[Approaches to sensitivity analysis in linear programming - all 2 versions »](#)

JE Ward, RE Wendell - Annals of Operations Research, 1990 - Springer

... Special emphasis is given to **sensitivity analysis** of the **objective function coefficients**. ... 3. **Sensitivity analysis: objective function coefficients** ...

Cited by 27 - [Related Articles](#) - [Web Search](#)

[Using bounds on the data in linear programming: The tolerance approach to sensitivity analysis - all 2 versions »](#)

RE Wendell - Mathematical Programming, 1984 - Springer

... of-the-art of **sensitivity analysis** in linear programming it is difficult to deal with perturbations in more than one **objective function coefficient** or right ...

Cited by 19 - [Related Articles](#) - [Web Search](#)

[Shadow prices and sensitivity analysis in linear programming under degeneracy](#)

T Gal - OR Spectrum, 1986 - Springer

... ing **sensitivity analysis** in the case primal degeneracy occurs, the so called critical ranges of the right hand side or of the **objective function coefficients** ...

Cited by 25 - [Related Articles](#) - [Web Search](#)

[Inverse problems and parameter estimation: integration of measurements and analysis - all 4 versions »](#)

JV Beck, KA Woodbury - Measurement Science and Technology, 1998 - iop.org

... upon this method of **analysis** may be ... that is, have larger **sensitivity coefficients** for) other ... In this case, an appropriate **objective function** for minimization ...

Cited by 41 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Optimal shape design of an electrostatic comb drive inmicroelectromechanical systems - all 3 versions »](#)